DOUBLE-TANK TYPE OMNIDIRECTIONAL ULTRASONIC OSCILLATING TANK

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Inventor:

HIROKI MINORU; ISHIDA YASUHIKO

Applicant:

HITACHI LTD

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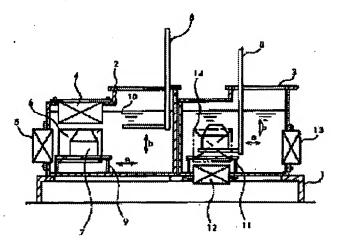
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Abstract of JP9220545

PROBLEM TO BE SOLVED: To improve the cleaning power and uniformalize the distribution of ultrasonic sound pressure by installing ultrasonic oscillating members in an upper part, a left side face, a rear face, etc., of a tank and also in a lower part, a right side face, a front face, etc., of a neighboring tank and carrying out ultrasonic cleaning of six faces of a member to be cleaned in a manner of face-to-face oscillation to the member to be cleaned in synchronized two tanks synchronized. SOLUTION: Ultrasonic oscillators are installed in an upper part 4, a left side face part 5, and a rear face part 6 in the left side part from a transportation inlet of a cleaning tank 2 and also installed in a lower part 12, a right side face part 13, and a front face part 14 of a cleaning tank 3. When a member 7 to be cleaned is transported and set in a work die 9 in the cleaning tank 2 by a transportation arm 8, cleaning of the upper face, the left side face, and the rear side face of the member 7 to be cleaned is carried out at high ultrasonic efficiency with ultrasonic waves which respectively proceed straightforward. Then, the member 7 to be cleaned is set on a work die 11 in the cleaning tank 3 by a transportation arm 8 and ultrasonic cleaning of the lower part face, the right side face, and the front face of the member 7 to be cleaned is carried out with ultrasonic waves proceeding straightforward. Consequently, powerful ultrasonic cleaning of all of the faces, that are six surfaces, of the member 7 to be cleaned can be carried out



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(71)出願人 000005108.

株式会社日立製作所

東京都千代田区神田駿河台四丁目6番地

(72)発明者 廣木 稔

茨城県ひたちなか市大字市毛882番地 株

式会社日立製作所計測器事業部内

(72)発明者 石田 廣彦

茨城県ひたちなか市大字市毛882番地 株

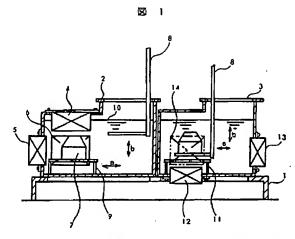
式会社日立製作所計測器事業部内

(74)代理人 弁理士 小川 勝男

(54) 【発明の名称】 二槽式全方向超音波発振槽

(57)【要約】

【課題】1つの槽内で、発振器同士が対向する事無く3 方向からの発振ができ、上部からの発振を可能とする。 【解決手段】同期させた二つの洗浄槽を設置し一方の槽 には、上部4,左側部5,後方部6に超音波発振器を設 け、他方の洗浄槽には、下部12,右側部13,前部1 4にそれぞれ超音波発振器を設けた六面方向発振式洗浄 槽構造。



しーペース 2 ··· A 选净槽 3 ··· B 获净撸 6…後方面発氣器 10 …洗浄液面 13 …右侧面角栅脊 12 …下部面発接器 アーム債移動 b…アーム上。下移動